



Landing Craft Utility Replacement Program, LCU(R)

Jean- Michel Coughlin
Naval Sea Systems Command
PMS325

LCU(R)



2001

● Agenda

- › System Description
- › System/Program Requirements
- › Program Status/Update
- › Acquisition Strategy
 - » AoA
 - » Government Studies
 - » Industry Participation
- › Acquisition Schedule
- › Funding/Budget Requests
- › Issues / Concerns
- › The Team -- Points of Contact

LCU(R)



2001

● System Description

- › Replace aging Landing Craft Utility Force: 27 to 41 years old
- › Develop and procure a modern Heavy Lift Utility Landing Craft to complement the high-speed, over-the-horizon, ship-to-objective amphibious lift required by OMFTS and Sea Based Logistics
- › Complement to LCAC

LCU(R)



2001

- **System/Program Requirements**

- › **Required Operational Capabilities**

- » High Speed, Over-the-Horizon, Heavy Lift
 - » ATF, MPF & Strategic Sealift Compatible
 - » Independent Operations
 - » Joint Command & Control

- › **Constraints**

- » Architecture
 - » Design
 - » Personnel
 - » Infrastructure Support
 - » Acquisition
 - » C4I in accordance with DII, COE, & DoD JTA Standards

- › **DoD 5000 Requirements**

- » Milestones
 - » Documentation

LCU(R)



2001

• Program Status/Update

› Mission Area Analysis	July 00
› Mission Need Statement (MNS)	17 Oct 00
› Milestone "A" ADM	27 Nov 00
› BAA/Concept Designs (Phase I)	26 Dec 00
› First Industry Workshop	06 Feb 01
› BAA White Papers	26 Mar 01
› Awards/Feasibility Studies (Phase II)	Jun 01
› Awardees Workshop	17 Jul 01
› AoA Completion	2 nd QTR 02
› Decision Review (DR)	4 th QTR 02
› Milestone "B"	4 th QTR 03
› Source Selection	FY04
› Contract Award (Phase III)	1 st QTR 05
› IOC/FOC	FY06/FY13

LCU(R)



2001

● Acquisition Strategy

- › Early Industry Participation
- › Use of Performance Specifications
- › Built to Commercial Standards, Specifications, and Practices
- › Cost as an Independent Variable (CAIV)
- › Best Value Contract Award

LCU(R)



2001

● Analysis of Alternatives

- › OPNAV N753 Tasking to Center for Naval Analyses
- › Support Program Decision Review
 - » Start 15 February 2001
 - » Complete March 2002
 - » Inputs from BAA Results Analysis
- › Alternatives Considered
 - » Baseline: Do Nothing
 - » Alt 1: SLEP to Extend Service Life
 - » Alt 2: Mod Repeat with Enhanced Performance Capabilities
 - » Alt 3: New Construction LCU
 - » Alt 4: COTS Alternative Procurement
- › Completion by March 2002

LCU(R)



2001

- **Government Studies**

- › Feasibility Studies
- › C4I Requirements
- › Navigation Requirements
- › Automation & Crew Size Reduction
- › Threat Analysis/Countermeasures

LCU(R)



2001

Industry Participation



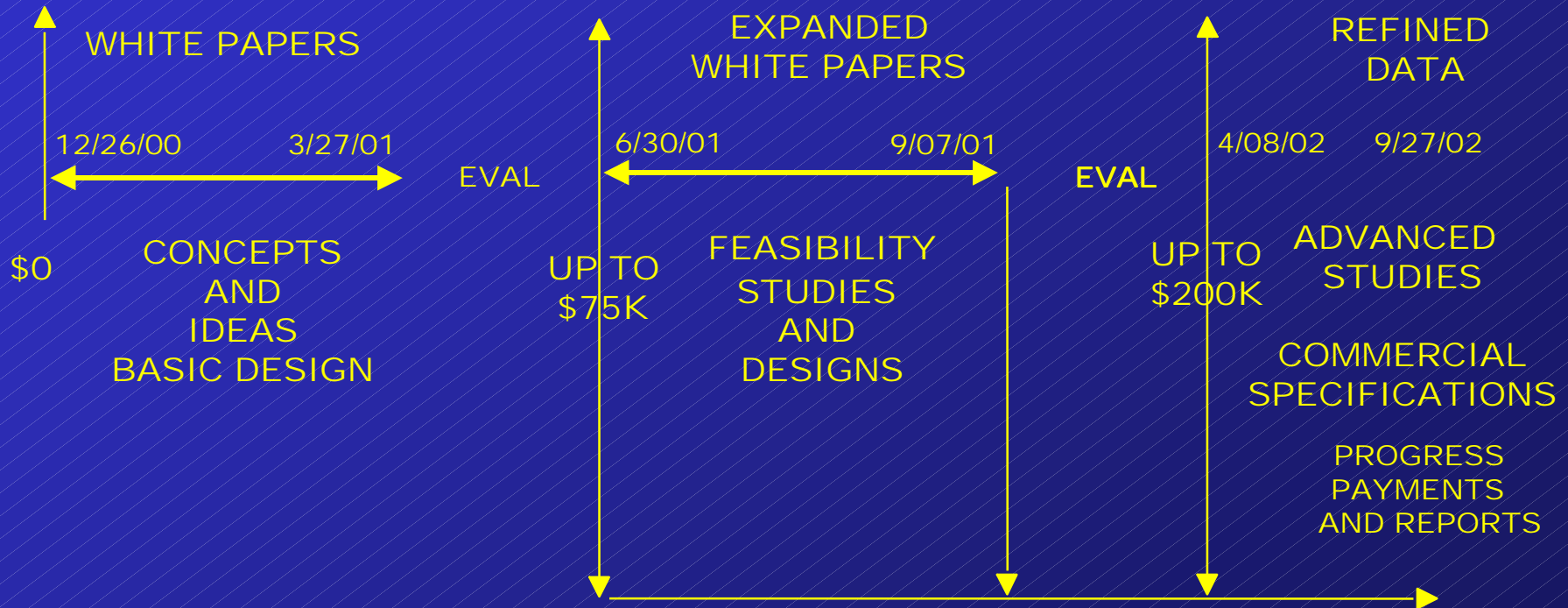
BAA



UP TO 11 CONTRACTS



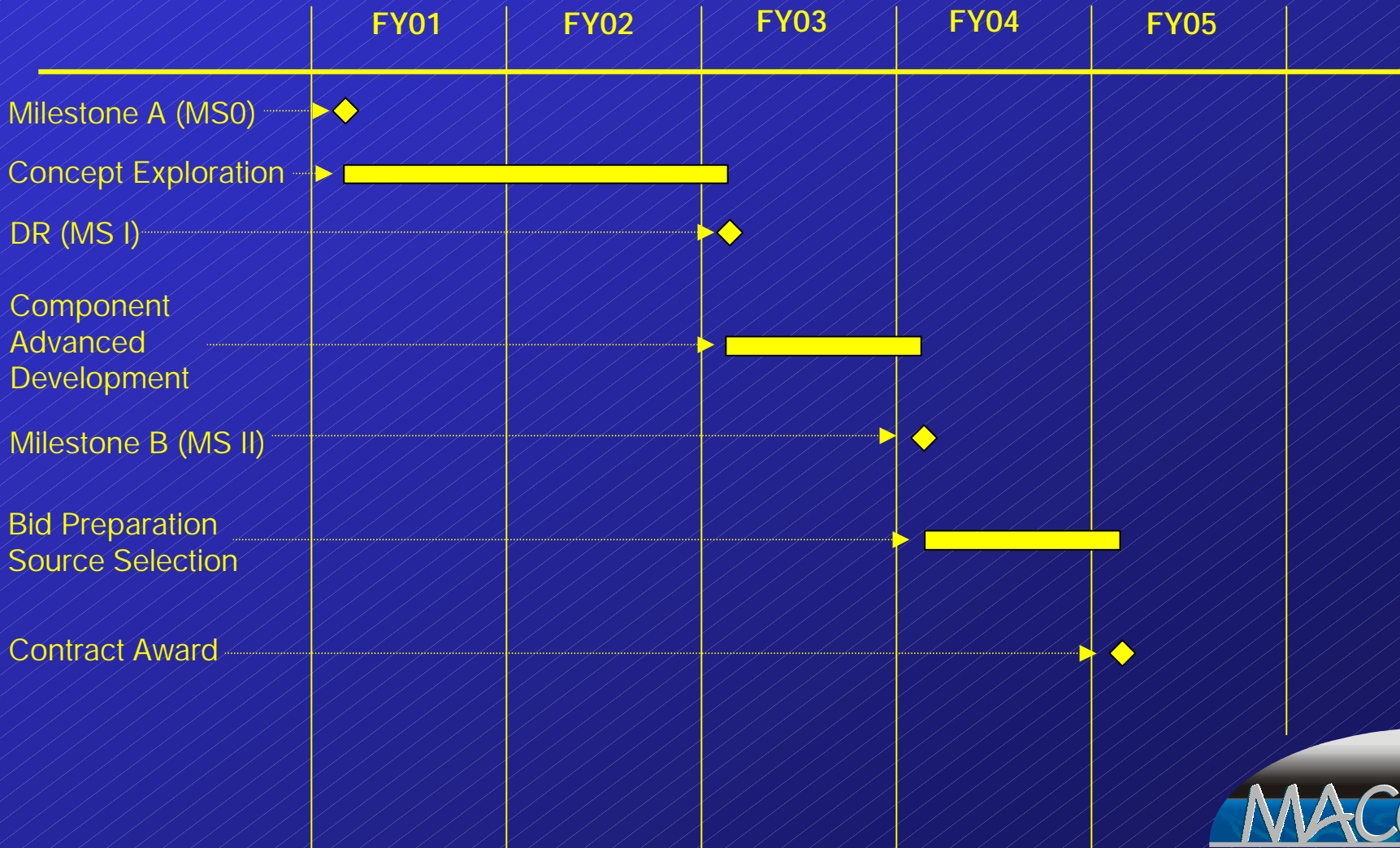
CONTRACT OPTION
NOT LESS THAN 3 PAPERS



LCU(R)



2001 *Acquisition Schedule*



LCU(R)



2001

\$M	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07
RAD VII (RDT&E)	0	2.911	5.795	0.956	1.999	0	0	0
R&D REQ	0	2.859	4.619	2.014	1.201	0	0	0
ASN Tax/Delta	0	0.052	1.176	(1.058)	0.798	0	0	0
RAD VII (SCN)						59.110	60.317	64.853
R&D REQ	0	0	0	0	0	59.110	60.317	64.853
QUANTITIES	0	0	0	0	0	5	5	5
DELTA	0	0	0	0	0	0	0	0

Changes:

- ☐ Technical - N/A.
- ☐ Schedule - N/A.
- ☐ Cost/funding - Reprogram FY03 & FY04
- ☐ Other - N/A.

LCU(R)



2001

● Issues/Concerns

› Funding

» RDT&E Funding Profile

› Programmatic

» No Pre-Milestone Work During Phase 0

» Concurrent/Parallel Efforts During CE Phase

› Schedule

» “Budget” Not “Event” Driven

› Technical

» LHA Restriction – LCU(R) Beam Limited to

< 29' 9"

LCU(R)



2001

• The Team – Points of Contact

Sponsor

OPNAV N753	Arlington, VA	Requirements/Funding
------------	---------------	----------------------

Program Office

PEO EXW PMS325	Washington, DC	Acquisition Program
----------------	----------------	---------------------

Engineering Manager

NSWCCD - CCD	Suffolk, VA	Craft Design Management
NAVSEA 05D	Washington, DC	Force Level Interoperability / Ship-Craft Interface

Government Field Activities

NSWCDD - CSS	Panama City, FL	Concept Designs
SPAWAR Systems Center	San Diego, CA	C ⁴ ISR Integration

Independent Analysis

Center for Naval Analysis	Alexandria, VA	MAA, AoA
---------------------------	----------------	----------

Industry/Contractors

To Be Determined